List of Reference Codes

LLNL WASTE MINIMIZATION ACTIVITY CODES

LLNL WASTE MINIMIZATION ACTIVITY CODES		LLNL WASTE SOURCE CODES	
Recycling	Activity	Cleaning/D	egreasing Operations
W010	On-site recycling	A010	Stripping
W020	Off-site recycling	A020 A030	Acid cleaning Caustic (Alkali) cleaning
	luction Activity	A040	Flush rinsing
W110	Segregate types of hazardous waste to make them more amenable to recycling	A050	Dip rinsing
W120	Segregate (stopped combining) hazardous waste from non-hazardous (Note:	A060	Spray rinsing
	for purposes of hazardous waste reporting, reduces volume of hazardous	A070 A080	Vapor degreasing Physical scraping and removal
14/400	waste, but does not reduce total waste volume)	A090	Clean out process equipment
W130 W140	Improve maintenance scheduling, recordkeeping, or procedures Changed production schedule to minimize equipment and feedstock	A092	Non-routine Clean out process equipment
	changeovers	A191 A193	Cleaning with Solvents Steam Cleaning operation
W190	Other changes in operating practices (Specify in Comments)		eparation/Finishing
Inventory C W210	Instituted procedures to ensure that materials do not stay in inventory beyond	A210	Painting
VV210	shelf-life	A220	Electroplating
W220	Test outdated material, continue to use if still effective	A230 A240	Electroless plating Phosphating
W230	Eliminate shelf-life requirements for stable materials	A250	Heat treating
W240 W250	Instituted better labeling procedures Instituted clearinghouse to exchange materials that would otherwise be	A260	Pickling
***200	discarded	A270 A293	Etching Abrasives blasting operations
W290	Other (Specify in Comments)	A294	Grinding/Polishing operations
W291	Matched procured quantities with short term needs	Other Prod	cesses
W310	eak Prevention Improved storage or stacking procedures	A310	Product rinsing
W320	Improved procedures for loading, unloading, and transfer operations	A320 A330	Product filtering Product distillation
W330	Installed overflow alarms or automatic shut-off valves	A340	Product distillation Product solvent extraction
W340 W350	Installed secondary containment Installed vapor recovery systems	A350	By-product processing
W360	Implemented inspection or monitoring programs of potential spill or leak	A360	Spent catalyst removal
	sources	A362 A370	Non-routine Spent catalyst removal Spent process liquids removal
W390	Other (Specify in Comments)	A372	Non-routine Spent process liquids removal
W391	Improved equipment seals	A380	Tank sludge removal
W410	al Modifications Increased purity of raw materials	A382 A390	Non-routine Tank sludge removal Slag removal
W420	Substituted raw materials	A400	Metal forming
W490	Other (Specify in Comments)	A410	Plastics forming
Process Mo		A491	Machining/welding operations
W510	Instituted closed-loop recycling	A492 A493	Building construction/renovation Gardening operations (fertilizer/pesticide application)
W520 W530	Modified equipment, layout, or piping	A494	Cooling processes (machine/computer, etc.)
W540	Changed process catalyst Instituted better materials, conditions, or controls on operating conditions	A495	Cooling Tower (regeneration of water deionizers)
**********	(flow rate, temperature, pressure, residence time)	A496 A497	Photo developing/printing/copy machine/x-ray Explosives testing
W550	Changed from small volume containers to bulk containers to minimize	A498	Microchip processing
	discarding of empty containers	A499	Building maintenance
W580	Other (Specify in Comments)		nd Intermittent Processes
W581 W582	Increased process yield Increased equipment reliability	A512 A532	Non-routine Leak collection Non-routine Cleanup of spill residues
	nd Degreasing	A540	Oil changes-maintenance
W590	Modified stripping/cleaning equipment	A542	Non-routine Oil changes
W600	Changed to mechanical stripping/cleaning devices (from solvents or other	A550 A562	Filter/Battery replacement Discontinue use of process equipment
W610	materials) Changed to aqueous cleaners (from solvents or other materials)	A572	Discarding off-spec material
W620	Reduced the number of solvents used, to make waste more amenable to	A582	Discarding unused, out-of-date products or chemicals
	recycling	A591 A592	Freon Recharging
W630 W640	Modified containment procedures for cleaning units Improved draining procedures	A592 A593	Demolition/decontamination Equipment maintenance operations
W650	Redesigned parts racks to reduce dragout	A594	Hospital/medical procedures
W660	Modified or installed rinse system	A595	Discarding empty containers
W670	Improved rinse equipment design	A596 A600	Emptying retention tanks Sludge removal
W680 W710	Improved rinse equipment operations Other (Specify in Comments)	A602	Non-routine Sludge removal
W711	Recycled or revised cleaning/rinse solutions	Remediation	on Derived Waste
Surface Pre	paration and Finishing	A612	Superfund Remedial Action
W720	Modified spray systems or equipment	A622 A632	Superfund Emergency Response RCRA Corrective Action at solid waste management unit
W730	Substituted coating materials used	A642	RCRA closure of hazardous waste management unit
W740	Improved application techniques	A652	Underground storage tank cleanup
W750 W780	Changed from spray to other systems Other (Specify in Comments)	A692	Other remediation
Product Mo		A710	Control or Waste Treatment Filtering/screening
W810	Changed product specifications	A720	Metals recovery
W820	Modified design or composition	A730	Solvents recovery
W830	Modified packaging	A740 A750	Incineration/Thermal treatment Wastewater treatment
W890	Other (Specify in Comments)	A760	Sludge dewatering
	ce Reduction Activity	A770	Stabilization
W990	Specify in Comments	A780	Air pollution control devices
		A790 A792	Leachate collection Asbestos removal/abatement
		A793	Waste analysis (i.e. samples)
		A794	Berm water collection
			Ous Activities
		A910 A920	Clothing and personal protective equipment Routine cleanup wastes (e.g., floor sweepings)
		A932	Closure of management unit(s) or equipment other than by remediation
		A940	Laboratory wastes (excluding biomedical) (i.e. spent solutions, lab trash, etc.)
		A942 A943	Non-routine Laboratory wastes (i.e. close-out) Biomedical laboratory waste (i.e. spent solutions, lab trash, etc.)
		A990	Other
		A992	Non-routine Other
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